Factorising Quadratics



$$x^2 + 8x + 7$$

a)
$$x^2 + 8x + 7$$
 $x^2 + 7x + 12$ $x^2 - 4x - 5$

$$x^2 - 4x - 5$$

$$x^2 + x - 20$$

$$x^2 - 6x + 9$$

$$x^2 + x - 20$$
 $x^2 - 6x + 9$ $2x^2 + 7x + 5$

$$3x^2 + 11x + 6$$
 $2x^2 - 2x - 12$ $6x^2 + 19x + 10$

$$2x^2 - 2x - 12$$

$$6x^2 + 19x + 10$$

$$x^2 - 36$$

$$3x^2 - 75$$

$$x^2 - 36$$
 $3x^2 - 75$ $x^3 + 6x^2 + 8x$

Factorising Quadratics Answer Key



$$(x + 3)(x + 4)$$

$$(x - 5)(x + 1)$$

$$(x-4)(x+5)$$
 $(x-3)^2$ $(2x+5)(x+1)$

$$(x - 3)^2$$

$$(2x + 5)(x + 1)$$

$$(3x+2)(x+3)$$
 $(3x+2)(2x+5)$

$$2(x-3)(x+2)$$

$$(3x + 2)(2x + 5)$$

$$3(x-5)(x+5)$$

$$(x-6)(x+6)$$
 $3(x-5)(x+5)$ $x(x+2)(x+4)$